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TITLE : RUBBER COMPOSITION FOR BEAD FILLER OF TIRE

ABSTRACT : PURPOSE: To provide the titled composition exhibiting high dynamic modulus after vulcanization, and having excellent moldability, by compounding a solid rubber such as natural rubber, a specific liquid diene rubber, a masked polyisocyanate, and a novolac-type (modified) phenolic resin.

CONSTITUTION: The objective composition is prepared by compounding (A) 100pts.wt. of rubber components composed of (i) 70~95pts. of a solid rubber selected from natural rubber, polyisoprene rubber, polybutadiene rubber, and styrene-butadiene copolymer rubber and (ii) 30~5pts. of a liquid diene rubber having functional groups at the molecular terminals or in the molecule, with (B) a masked polyisocyanate and (D) 5~25pts. of a novolac-type phenolic resin and/ or a novolac-type modified phenolic resin. The ratio of the isocyanate equivalent in the component (C) to the functional group equivalent in the component (B) is adjusted to 0.5~2.0.

EFFECT: Excellent breaking properties.

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